

Title (en)

PERIPHERAL DIAGNOSTIC METHODS FOR SCREENING ALZHEIMER'S DISEASE USING BETA AMYLOID AND INTERCELLULAR COMMUNICATION

Title (de)

PERIPHERE DIAGNOSTISCHE VERFAHREN ZUM SCREENING VON MORBUS ALZHEIMER MIT BETA-AMYLOID UND INTERZELLULARER KOMMUNIKATION

Title (fr)

PROCÉDÉS DE DIAGNOSTIC PÉRIPHÉRIQUE POUR DÉTECTER LA MALADIE D'ALZHEIMER AU MOYEN D'AMYLOÏDE BÊTA ET COMMUNICATION INTERCELLULAIRE

Publication

**EP 3279638 A1 20180207 (EN)**

Application

**EP 17191550 A 20120511**

Priority

- US 201161485256 P 20110512
- EP 15003604 A 20120511
- EP 12723563 A 20120511

Abstract (en)

The present disclosure relates to a peripheral diagnostic method for screening Alzheimer's disease in patients based on quantitatively measured complexity of skin-sampled fibroblast networks.

IPC 8 full level

**G01N 21/00** (2006.01)

CPC (source: EP US)

**G01N 33/5091** (2013.01 - EP US); **G01N 2800/2821** (2013.01 - EP US)

Citation (applicant)

- KANG, NATURE, vol. 325, 1987, pages 733 - 736
- PONTE ET AL., NATURE, vol. 331, 1988, pages 525 - 527
- TANZI ET AL., NATURE, vol. 331, 1988, pages 528 - 530
- KITAGUCHI, NATURE, vol. 331, 1988, pages 530 - 532
- WALSH ET AL., NATURE, vol. 416, 2002, pages 535 - 539
- JOHNSON-WOOD ET AL., PROC. NATL. ACAD. SCI. USA, vol. 94, 1997, pages 1550
- FIELDS ET AL.: "Synthetic Peptides: A User's Guide", 1992, W.H. FREEMAN & CO., pages: 77
- SCHREML, S., EXP. DERM., 2010
- VIERBUCHEN, T. ET AL., NATURE, vol. 463, 2010, pages 1035
- ANSEL, J. C. ET AL., PROGRESS IN DERM., vol. 106, 1996, pages 198
- GEYFMAN, M.; B. ANDERSEN, J. INVEST. DERM., vol. 129, 2009, pages 1225
- TANIOKA, M. ET AL., J. INVEST DERM., vol. 129, 2009, pages 1225
- SELKOE, D. J., J. ALZHEIMERS DIS., vol. 3, 2001, pages 75
- HARDY, J.; D. J. SELKOE, SCIENCE, vol. 297, 2002, pages 353
- REPETTO, E. ET AL., J. BIOL. CHEM., vol. 282, 2007, pages 31504
- TOURNOY, J. ET AL., HUM. MOL. GENET., vol. 13, 2004, pages 1321
- ETCHEBERRIGARAY R., SCIENCE, vol. 264, 1994, pages 276
- KHAN, T. K.; D. L. ALKON, P. NATL. ACAD. SCI., vol. 103, 2006, pages 13202
- KHAN T. K., NEUROBIOL DIS., vol. 34, 2009, pages 332
- ETCHEBERRIGARAY, R., P. NATL. ACAD. SCI., vol. 101, 2004, pages 11141
- ENDRES, K.; F. FAHRENHOLZ, FEBS J., vol. 277, 2010, pages 1585
- KOZIKOWSKI, A. P., CHEM. MED. CHEM., vol. 4, 2009, pages 1095
- AISEN, P. S., CNS DRUGS, vol. 19, 2005, pages 989
- BELLUCCI C. ET AL., MOL. MED., vol. 13, 2007, pages 542
- NAGASAKA ET AL., P. NATL. ACAD. SCI., vol. 102, 2005, pages 14854
- CITRON ET AL., P. NATL. ACAD. SCI., vol. 91, 1994, pages 11993 - 7
- JOHNSTON ET AL., FEBS LETT., vol. 354, 1994, pages 274
- CHIRILA, F. V. ET AL., J. PHYSIOL., vol. 584, 2007, pages 167 - 190
- WATTS, J. D.; S. H. STROGATZ, NATURE, vol. 393, 1998, pages 440
- ALBERT, R. ET AL., NATURE, vol. 401, 1999, pages 130
- STROGATZ, S. H., NATURE, vol. 410, 2001, pages 268
- BARABASI, A. L.; R. ALBERT, REV. MOD. PHYS., vol. 74, 2002, pages 47
- FOWLER, J. H.; N. A. CHRISTAKIS, BRIT. MED. J., vol. 337, 2008, pages 2338

Citation (search report)

- [A] WO 2011041761 A1 20110407 - BRNI NEUROSCIENCES INST, et al
- [A] CHIRILA F V ET AL: "Patterns of fibroblast networks screen for Alzheimer's disease", SOCIETY FOR NEUROSCIENCE ABSTRACT VIEWER AND ITINERARY PLANNER, vol. 40, 2010, & NEUROSCIENCE MEETING OF SOCIETY-FOR-NEUROSCIENCE; SAN DIEGO, CA, USA; 2010., XP009160372

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2012155051 A1 20121115**; CA 2835686 A1 20121115; CA 2835686 C 20191001; EP 2707693 A1 20140319; EP 2707693 B1 20161012; EP 3026420 A1 20160601; EP 3026420 B1 20171101; EP 3279638 A1 20180207; ES 2609969 T3 20170425; JP 2014526031 A 20141002; JP 6131409 B2 20170524; US 10317396 B2 20190611; US 11099174 B2 20210824; US 2014248648 A1 20140904; US 2019331668 A1 20191031

DOCDB simple family (application)

**US 2012037532 W 20120511**; CA 2835686 A 20120511; EP 12723563 A 20120511; EP 15003604 A 20120511; EP 17191550 A 20120511;  
ES 12723563 T 20120511; JP 2014510497 A 20120511; US 201214116138 A 20120511; US 201916411395 A 20190514